

CLAIMS

1. A structural coupling comprising a structural component or components provided with coupling leg formations and locking flanges on at least a pair of opposing ones of said leg formations in assembly, a connecting channel section the sides of which are adapted respectively to engage said pair of leg formations and means for providing snap fit engagement of the leg formations of the structural component with the channel section to secure the component or components together.
2. A coupling as claimed in claim 1 wherein said snap fit engagement means includes resilient ones of said leg formations which yield upon insertion in the channel section, and co-operating means between the leg formations and the channel section which allow snap fit engagement of the leg formations with the channel section when fully inserted therein.
3. A coupling as claimed in claim 2 wherein said co-operating means includes bulbous formations formed on said leg formations which engage with complimentary recesses in the channel section.
4. A coupling as claimed in claim 1 wherein said snap fit engagement means includes a locking formation on the channel section, and a clip fixing for snap fit engagement with said locking formation and said locking flanges.
5. A structural coupling as claimed in claim 4 wherein said locking formation on the channel section is formed on the inside face of the base of the channel section.
6. A structural coupling as claimed in claim 5 wherein said locking formation is comprised of an embossment to provide a pair of channel recesses along the channel base.
7. A structural coupling as claimed in claim 6 wherein said locking flanges on said pair of opposing ones of said leg formations include intumed edges forming locking ribs, said clip fixing having flexible barbs for respective snap fit engagement with said locking ribs and channel recesses to lock the coupling together.
8. A structural coupling as claimed in any preceding claim wherein the leg formations are provided with coupling slots, such that when said pair of leg formations are in opposed relationship the sides of the channel section engage the respective coupling slots.

9. A structural coupling as claimed in any one of claims 1 to 8 wherein said opposed pair of leg formations are on the side edges of a series of rigid sheets or panels disposed in side by side relationship to form part of a structure such as a floor or roof, the sides of the channel section being accommodated in the coupling slots such that the base wall of the channel section and the rigid sheets or panels lie in the same plane.
10. A structural coupling as claimed in any one of claims 1 to 8 wherein a said pair of leg formations form the inside walls of a doubled walled channel shaped strut, said coupling slots being formed between said inside walls to receive the side walls of said connecting channel section together with the leg formations formed on the side edges of a series of rigid panels or sheets disposed in side by side relationship to form part of a structure such as a wall panel.
11. A structural coupling as claimed in any one of claims 1 to 8 wherein said structural component comprises a longitudinally split rail with the leg formations formed on the side edges of the split, the leg formations being held within said channel section respectively in abutment with opposing internal walls thereof so acting to close the split rail and secure the rail to an inner profile core.
12. A structural coupling substantially as herein described before with reference to and as illustrated in the accompanying drawings.